

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PUBLIC NOTICE OF INTENT TO ISSUE A WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM (WPDES) PERMIT NO. WI-0066664-01-0

Permittee: Big River Resources LLC, 211 N Gear Ave STE 200, West Burlington, IA, 52655

Facility Where Discharge Occurs: Big River Resources Boyceville LLC, N10185 370th St, Boyceville, WI 54725

Discharge Location: N10185 370th St, Boyceville, WI (NE ¼ SE ¼ of Section 29, T30N, R13W)

Receiving Water: The groundwater within the South Fork Hay River Watershed in the Lower Chippewa River Basin in Dunn County

Big River Resources Boyceville, LLC (BRRB) is a fuel-grade ethanol production plant with the capacity to produce 70 million gallons per year of 200-proof ethanol and 181,731 tons per year (dry weight basis) of distiller dried grains with solubles. The facility also has the capacity to produce corn distillers oil from by-products of the ethanol production process. The process water used in the ethanol production comes from on-site private wells. The well water is treated with oxidation and green sand filters. The filtrate is then directed to a process water tank where it is either directed to the ethanol production process, to a reverse osmosis (RO) system for further water treatment, or to the fire suppression system. The RO permeate is either piped to water softeners or to be used as cooling water in the cooling tower system. The softened water is then used in the boiler system. The sand filter backwash (44,000 gpd) is conveyed to an iron settling pond to settle out the solids then is combined with RO reject water (44,000 gpd) and cooling tower blowdown (15,000 gpd) prior to discharging to the infiltration pond via Outfall 001. The softener regeneration water and boiler blowdown are reused in the ethanol production process. BRRB uses an on-site potable water well as source water for restrooms, washing stations, emergency showers, and other potable water uses. These domestic wastewater sources are discharged to an on-site septic system that are regulated by Dunn County. The fire suppression system is inspected and flushed annually by a contractor and the water is discharged to the lawn and ground surface at the site. The ethanol production process does not generate any sludge or by-product solids that require disposal. Occasionally, BRRB will have the iron settling pond dredged to remove the accumulated sediment/sludge. The dredged sediment/sludge is dewatered on-site and the carriage water and/or interstitial water (pore water) is discharged back to the settling pond then ultimately conveyed to the infiltration pond via Outfall 001. The dredged sediment/sludge is hauled for off-site disposal. A facility site map and water flow diagram for the facility are attached to the permit fact sheet.

This is the first-time individual permit issuance for this facility site. Previously, the discharges from this facility were covered under the Non-Contact Cooling Water, or Condensate and Boiler Blowdown WPDES General Permit (No. WI-0044938), the Water Treatment and Conditioning WPDES General Permit (No. WI-0046540), and the Carriage and Interstitial Water from Dredging Operations WPDES General Permit (No. WI-0046558).

For specific details and information about the rationale and assumptions used in deriving the conditions and requirements set forth in the permit, please see the permit fact sheet.

Permit Drafter's Name, Address, Phone and Email: Trevor Moen, DNR, 625 E Cty Rd Y Suite 700, Oshkosh, WI, 54901, (920) 424-7883, Trevor.Moen@wisconsin.gov

Basin Engineer's Name, Address, Phone and Email: Adebawale Adesanwo, 890 Spruce Street, Baldwin, WI 54002, (715) 684-2914, adebowale.adesanwo@wisconsin.gov

The Department has tentatively decided that the above specified WPDES permit should be issued for this new discharge.

Persons wishing to comment on or object to the proposed permit action, or to request a public hearing, may write to the Department of Natural Resources at the above-named permit drafter's address. Currently, DNR staff are working remotely and have very limited access to US mail. To ensure comments are received, the Department recommends that all comments be sent via email to the permit drafter listed in this notice. All comments or suggestions received no later than 30 days after the publication date of this public notice will be considered along with other information on file in making a final decision regarding the permit. Anyone providing comments in response to this public notice will receive a notification of the Department's final decision when the permit is issued. Where designated as a reviewable surface water discharge permit, the U.S. Environmental Protection Agency is allowed up to 90 days to submit comments or objections regarding this permit determination. If no comments are received on the proposed permit from anyone, including U.S. EPA, the permit will be issued as proposed.

The Department may schedule a public informational hearing if requested by any person and shall schedule a public informational hearing if a petition requesting a hearing is received from 5 or more persons or if response to this notice indicates significant public interest pursuant to s. 283.49, Stats. Requests for a public informational hearing shall state the following: the name and address of the person(s) requesting the hearing; the interest in the proposed permit of the person(s) requesting the hearing; the reasons for the request; and the issues proposed to be considered at the hearing.

Information on file for this permit action, including the draft permit, fact sheet and permit application, is accessible via e-mail by contacting the above-named permit drafter's e-mail address or the above-named basin engineer's e-mail during normal business hours Monday through Friday (except holidays). Note that DNR staff have limited access to permit hard copy files during this time as they are working from home, but much of the permit file is available electronically by e-mail request. Permit information is also available on the internet at: <http://dnr.wi.gov/topic/wastewater/PublicNotices.html>. Pursuant to the Americans with Disabilities Act, reasonable accommodation, including the provision of informational material in an alternative format, will be made to qualified individuals upon request.

NAME OF PUBLISHING NEWSPAPER: Dunn County News

ADDRESS OF PUBLISHING NEWSPAPER: 710 E Main St. PO Box 40 Menomonie WI 54751

Date Notice Issued: August 26, 2020